

08/950,963

Dialog

8/17/99

b 5,285,305

Search

Set Items Description
S1 39 LAMINAR FLOW
S2 986 LAMINAR (W) FLOW
S3 26 S2 AND (SENSOR? OR BIOSENSOR?)
S4 23 RD (unique items)
?s s4 and py<=1997
23 S4
12440401 PY<=1997
S5 16 S4 AND PY<=1997
?t s5/1-16

5/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

11407828 BIOSIS NO.: 199800189160
Chemo- and mechanosensory orientation by crustaceans in laminar and
turbulent flows: From odor trails to vortex streets.
BOOK TITLE: EXS (Basel); Orientation and communication in arthropods

AUTHOR: Weissburg M J(a)
BOOK AUTHOR/EDITOR: Lehrer M: Ed
AUTHOR ADDRESS: (a)Sch. Biol., Cherry-Emerson Build., Ga. Inst. Technol.,
310 First Ave., Atlanta, GA 30332-0230, USA

JOURNAL: EXS (Basel) 84p215-246 1997

BOOK PUBLISHER: Birkhaeuser Verlag, P. O. Box 133, CH-4010 Basel,
Switzerland
Birkhaeuser Boston, Inc., 175 Fifth Avenue, New York, New
York 10010, USA

ISSN: 1023-294X ISBN: 3-7643-5693-6; 0-8176-5693-6

DOCUMENT TYPE: Book; Literature Review

RECORD TYPE: Citation

LANGUAGE: English

5/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

11319379 BIOSIS NO.: 199800100711
Corneoscleral discs excised from enucleated and non-enucleated eyes are
equally suitable for transplantation.

AUTHOR: Garweg Justus(a); Hagenah Michael; Engelmann Katrin; Boehnke
Matthias
AUTHOR ADDRESS: (a)Dep. Ophthalmol., Univ. Bern, Inselspital, CH-3010 Bern,
Switzerland

JOURNAL: Acta Ophthalmologica Scandinavica 75 (5):p483-486 Oct., 1997
ISSN: 1395-3907
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

5/3/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

11261002 BIOSIS NO.: 199800042334
Post-stress thickening of dextran/concanavalin A solutions used as
sensitive fluids in a viscosimetric affinity assay for glucose.

AUTHOR: Beyer Uwe(a); Ehwald Rudolf; Fleischer Lutz-Guenther
AUTHOR ADDRESS: (a)Mathematisch-Naturwissenschaftliche Fakultät I, Inst.
Biologie, Humboldt-Univ. Berlin, Invaliden, Germany

JOURNAL: Biotechnology Progress 13 (6):p722-726 Nov.-Dec., 1997
ISSN: 8756-7938
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

5/3/4 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

11246119 BIOSIS NO.: 199800027451
Comparison of response distance to prey via the lateral line in the ruffe
and yellow perch.

AUTHOR: Janssen J(a)
AUTHOR ADDRESS: (a)Biol. Dep., Loyola Univ., 6525 N. Sheridan, Chicago, IL
60626, USA

JOURNAL: Journal of Fish Biology 51 (5):p921-930 Nov., 1997
ISSN: 0022-1112
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

5/3/5 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

11161400 BIOSIS NO.: 199799782545
Diagnosing and monitoring carotid cavernous fistulas with color Doppler
imaging.

AUTHOR: Costa Vital P(a); Molnar Lazlo J; Cerri Giovanni G
AUTHOR ADDRESS: (a)Av. Pacaembu, 1782, Sao Paulo, SP 01234-000, Brazil

JOURNAL: Journal of Clinical Ultrasound 25 (8):p448-452 1997
ISSN: 0091-2751
RECORD TYPE: Abstract
LANGUAGE: English

5/3/6 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

11030402 BIOSIS NO.: 199799651547
A numerical model of nasal odorant transport for the analysis of human olfaction.

AUTHOR: Keyhani Keyvan; Scherer Peter W(a); Mozell Maxwell M
AUTHOR ADDRESS: (a)Dep. Bioeng., Univ. Pennsylvania, 120 Hayden Hall,
Philadelphia, PA 19104-6392, USA

JOURNAL: Journal of Theoretical Biology 186 (3):p279-301 1997
ISSN: 0022-5193
RECORD TYPE: Abstract
LANGUAGE: English

5/3/7 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

10985397 BIOSIS NO.: 199799606542
Exogenous, basal, and flow-induced nitric oxide production and endothelial cell proliferation.

AUTHOR: Gooch Keith J; Dangler Charles A; Frangos John A(a)
AUTHOR ADDRESS: (a)Dep. Bioengineering, Univ. California, San Diego, La Jolla, CA 92093-0412, USA

JOURNAL: Journal of Cellular Physiology 171 (3):p252-258 1997
ISSN: 0021-9541
RECORD TYPE: Abstract
LANGUAGE: English

5/3/8 (Item 8 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

10737772 BIOSIS NO.: 199799358917
Adaptive control of odor-guided locomotion: Behavioral flexibility as an antidote to environmental unpredictability.

AUTHOR: Belanger Jim H; Willis Mark A
AUTHOR ADDRESS: Arizona Res. Lab. Div. Neurobiol., Univ. Arizona, Tucson, AZ, USA

JOURNAL: Adaptive Behavior 4 (3-4):p217-253 1996
ISSN: 1059-7123
RECORD TYPE: Abstract
LANGUAGE: English

5/3/9 (Item 9 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

(c) 1999 BIOSIS. All rts. reserv.

10488860 BIOSIS NO.: 199699110005
Fluorescein angiography of the canine retina.

AUTHOR: De Schaepdrijver Luc(a); Simoens Paul; Lauwers Henri
AUTHOR ADDRESS: (a)Dep. Toxicol., Janssen Res. Foundation, Janssen
Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Bee, Belgium

JOURNAL: Veterinary & Comparative Ophthalmology 6 (2):p111-119 1996
ISSN: 1076-4607
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

5/3/10 (Item 10 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

09740885 BIOSIS NO.: 199598195803
Safety of a clean air storage hood for ophthalmic instruments in the
operating room.

AUTHOR: Herman David C
AUTHOR ADDRESS: Dep. Ophthalmol., Mayo Clin., 200 First St. SW, Rochester,
MN 55905, USA

JOURNAL: American Journal of Ophthalmology 119 (3):p350-354 1995
ISSN: 0002-9394
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

5/3/11 (Item 11 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 1999 BIOSIS. All rts. reserv.

08836613 BIOSIS NO.: 199395125964
Arteriovenous shunt at arteriovenous crossing in the retina.

AUTHOR: Tanaka Takayuki(a); Muraoka Kanemitsu; Tokui Kenji
AUTHOR ADDRESS: (a)Dep. Ophthalmol., Gunma Univ. Sch. Med., 3 Showa-machi,
Maebashi 371, Japan

JOURNAL: Japanese Journal of Clinical Ophthalmology 46 (13):p1711-1721
1992
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: Japanese; Non-English
SUMMARY LANGUAGE: Japanese; English

5/3/12 (Item 12 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

(c) 1999 BIOSIS. All rts. reserv.

07817816 BIOSIS NO.: 000092099002

PHOTO- SENSOR METHODOLOGY FOR DETERMINING RESIDENCE TIME DISTRIBUTIONS OF PARTICLES IN CONTINUOUS FLOW THERMAL PROCESSING SYSTEMS

AUTHOR: YANG B B; SWARTZEL K R

AUTHOR ADDRESS: DEP. FOOD SCI., NORTH CAROLINA STATE UNIV., RALEIGH, NC 27695-7624.

JOURNAL: J FOOD SCI 56 (4). 1991. 1076-1081, 1086.

FULL JOURNAL NAME: Journal of Food Science

CODEN: JFDSA

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

5/3/13 (Item 13 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 1999 BIOSIS. All rts. reserv.

06880273 BIOSIS NO.: 000089034200

~~✱~~ HIGH-SPEED ANALYTICAL SENSOR FOR IN-LINE MONITORING OF DISSOLVED ANALYTES FLOWING IN A TUBE EMPLOYING A COMBINATION OF LIMITED DIFFUSION LAMINAR FLOW AND PLUG SOLVENT INJECTIONS

AUTHOR: TRUMBORE C N; JACKSON L M; BENNETT S; THOMPSON A

AUTHOR ADDRESS: DEP. CHEM. BIOCHEM., UNIV. DEL., NEWARK, DE 19716, USA.

JOURNAL: J CHROMATOGR 481 (0). 1989. 111-120.

FULL JOURNAL NAME: Journal of Chromatography

CODEN: JOCRA

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

5/3/14 (Item 14 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 1999 BIOSIS. All rts. reserv.

02711775 BIOSIS NO.: 000068022364

THE RESPONSE OF CERCAL RECEPTORS AND IDENTIFIED INTER NEURONS IN THE CRICKET ACHETA-DOMESTICUS TO AIRSTREAMS

AUTHOR: TOBIAS M; MURPHEY R K

AUTHOR ADDRESS: DEP. BIOL., CASE WEST. RESERVE UNIV., CLEVELAND, OHIO, USA.

JOURNAL: J COMP PHYSIOL A SENS NEURAL BEHAV PHYSIOL 129 (1). 1979. 51-60.

FULL JOURNAL NAME: Journal of Comparative Physiology A Sensory Neural and Behavioral Physiology

CODEN: JCPAD

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

5/3/15 (Item 1 from file: 305)

DIALOG(R)File 305:Analytical Abstracts
(c) 1999 Royal Soc Chemistry. All rts. reserv.

240998 AA Accession No.: 58-02-A-00025 DOC. TYPE: Journal
Influence of compressional wave generation on thickness-shear mode
resonator response in a fluid.
AUTHOR: Schneider, T. W.; Martin, S. J.
CORPORATE SOURCE: Microsensor Res. and Dev. Dept., Sandia Natl. Lab.,
Albuquerque, NM 87185, USA
JOURNAL: Anal. Chem., Volume: 67, Issue: 18, Page(s): 3324-3335
CODEN: ANCHAM ISSN: 0003-2700
PUBLICATION DATE: 15 Sep 1995 (950915) LANGUAGE: English

5/3/16 (Item 2 from file: 305)
DIALOG(R)File 305:Analytical Abstracts
(c) 1999 Royal Soc Chemistry. All rts. reserv.

240869 AA Accession No.: 58-01-H-00163 DOC. TYPE: Journal
A direct optical immunosensor for atrazine detection.
AUTHOR: Brecht, A.; Piehler, J.; Lang, G.; Gauglitz, G.
CORPORATE SOURCE: Inst. Phys. and Theoretical Chem., 72076 Tuebingen,
Germany
CONFERENCE INFORMATION: Presented at the First Workshop on Biosensors and
Biological Techniques in Environmental Analysis, held in Paris, France,
12-14 Sep, 1994.
JOURNAL: Anal. Chim. Acta, Volume: 311, Issue: 3, Page(s): 289-299
CODEN: ACACAM ISSN: 0003-2670
PUBLICATION DATE: 10 Aug 1995 (950810) LANGUAGE: English
?C
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5/5/16 (Item 2 from file: 305)
DIALOG(R) File 305: Analytical Abstracts
(c) 1999 Royal Soc Chemistry. All rts. reserv.

Search 008 / 950,963

6, 5, 285, 305

240869 AA Accession No.: 58-01-H-00163 DOC. TYPE: Journal

A direct optical immunosensor for atrazine detection.

AUTHOR: Brecht, A.; Piehler, J.; Lang, G.; Gauglitz, G.

CORPORATE SOURCE: Inst. Phys. and Theoretical Chem., 72076 Tuebingen,
Germany

CONFERENCE INFORMATION: Presented at the First Workshop on Biosensors and
Biological Techniques in Environmental Analysis, held in Paris, France,
12-14 Sep, 1994.

JOURNAL: Anal. Chim. Acta, Volume: 311, Issue: 3, Page(s): 289-299

CODEN: ACACAM ISSN: 0003-2670

PUBLICATION DATE: 10 Aug 1995 (950810) LANGUAGE: English

ABSTRACT: The immunosensor was based on the competitive binding of a
anti-atrazine mAb between an atrazine-modified surface and atrazine in
the analyte solution. The antibody adsorbed onto the modified surface
was detected by reflectometric interference spectrometry.
Atrazine-caproic acid was immobilized (details given) onto glass pieces
(15 .times. 15 mm2) which were mounted in a **laminar flow** or wall
jet detection cell (150 nl) of a FIA system. The coated glass was
illuminated with a W light source (20 W) via a bifurcated fibre optic
bundle, the other end of which was coupled to a diode array
simultaneous spectrometer. All solutions were prepared in 10mM-PBS of
pH 7.4 containing 250 .mu.g/ml ovalbumin. The base line response was
recorded using a buffer flow of 30 .mu.l/min. The antibody or
antibody-atrazine mixture was then injected at 30 .mu.l/min and the
binding curve was recorded at 560 nm. The **sensor** surface was
regenerated with pepsin solution. The RSD for determination of
100-1000 ng/ml atrazine mAb were 10% and the calibration graphs were
linear. Competitive inhibition of binding was carried out using 1000
ng/l antibody and up to 100 ppb atrazine or 500 ng/ml antibody and up
to 5 ppb atrazine. Binding inhibitions of 50% were observed with 0.5
ppb atrazine (500 ng/ml antibody) and 1 ppb atrazine (1 .mu.g/ml
antibody). Detection limits below the EU limit of 0.1 ppb were not
achieved and improvements to the method are outlined.

IDENTIFIERS: immunosensors - for atrazine, optical

ANALYTE: atrazine (1912-24-9) --detmn. of, immunosensors for

SECTION: H-50000 (Environmental, Agriculture and Food)

?

Search for

08/20, 963

8/17/99

(FILE 'HOME' ENTERED AT 16:14:54 ON 17 AUG 1999)

STN

FILE 'CAPLUS, BIOSIS' ENTERED AT 16:17:09 ON 17 AUG 1999

L1 38 S LAMINAR FLOW AND SENSOR

=> d 11 1-38

L1 ANSWER 1 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1999:438989 CAPLUS
DN 131:85047
TI Whole blood diagnostics in standard gravity and microgravity by use of
microfluidic structures (T-sensors)
AU Weigl, Bernhard H.; Kriebel, Jennah; Mayes, Kelly J.; Bui, Todd; Yager,
Paul
CS Department Bioengineering, Univ. Washington, Seattle, WA, 98195, USA
SO Mikrochim. Acta (1999), 131(1-2), 75-83
CODEN: MIACAQ; ISSN: 0026-3672
PB Springer-Verlag Wien
DT Journal
LA English

L1 ANSWER 2 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1999:234075 CAPLUS
DN 130:264415
TI Multiple analyte diffusion-based chemical **sensor**
IN Yager, Paul
PA University of Washington, USA
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9917100	A1	19990408	WO 1998-US19763	19980922
	W: JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE				
PRAI	US 1997-938093		19970926		

L1 ANSWER 3 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1999:96434 CAPLUS
DN 130:136283
TI Simultaneous analyte determination and reference balancing in reference T-
sensor devices
IN Weigl, Bernhard H.; Holl, Mark R.; Zebert, Diane; Kenny, Margaret; Wu,
Caicai
PA University of Washington, USA
SO PCT Int. Appl., 71 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9905512	A1	19990204	WO 1997-US21258	19971121
	W: AU, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9854504	A1	19990216	AU 1998-54504	19971121
FRAI	US 1997-900926		19970725		
	WO 1997-US21258		19971121		

L1 ANSWER 4 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1998:802126 CAPLUS

DN. 130:54172
TI A 2-D inverse method for simultaneous estimation of the wet temperature
and wall heat flux in a laminar circular duct flow
AU Hsu, Pao-Tung; Chen, Cha'o-Kuang; Yang, Yue-Tzu
CS Mechanical Engineering Department, National Kaohsiung Institute of Science
and Technology, Kaohsiung, Taiwan
SO Numer. Heat Transfer, Part A (1998), 34(7), 731-745
CODEN: NHAAES; ISSN: 1040-7782
PB Taylor & Francis Ltd.
DT Journal
LA English

L1 ANSWER 5 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1998:673021 CAPLUS
TI Reliable consistency measurement without rebuilding your pulp mill-a mill
experience
AU Price, Philip; Lee, Jimmy
CS Fort James Corp., Pennington, AL, 36916, USA
SO Tappi J. (1998), 81(10), 129-133
CODEN: TAJODT; ISSN: 0734-1415
PB TAPPI
DT Journal
LA English

L1 ANSWER 6 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1998:518137 CAPLUS
DN 129:227771
TI Extending the range of rate constants available from BIACORE: interpreting
mass transport-influenced binding data
AU Myszka, David G.; He, Xiaoyi; Dembo, Micah; Morton, Thomas A.; Goldstein,
Byron
CS Huntsman Cancer Institute, University of Utah, Salt Lake City, UT,
84112-5330, USA
SO Biophys. J. (1998), 75(2), 583-594
CODEN: BIOJAU; ISSN: 0006-3495
PB Biophysical Society
DT Journal
LA English

L1 ANSWER 7 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1998:440544 CAPLUS
DN 129:124260
TI Numerical and experimental study of flow and heat transfer around a tube
in cross-flow at low Reynolds number
AU Buyruk, E.; Johnson, M. W.; Owen, I.
CS Department of Mechanical Engineering, The University of Cumhuriyet, Sivas,
58140, Turk.
SO Int. J. Heat Fluid Flow (1998), 19(3), 223-232
CODEN: IJHFD2; ISSN: 0142-727X
PB Elsevier Science Inc.
DT Journal
LA English

L1 ANSWER 8 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1998:236255 CAPLUS
DN 128:263739
TI Recirculating filtration system for use with a transportable ion mobility
spectrometer in gas chromatography applications
IN Uber, Robert E.; Kouznetsov, Viktor; Tarasov, Alexander; Carnahan, Byron
L.; Pipich, Charles W.
PA Mine Safety Appliances Company, USA
SO U.S., 9 pp. Cont.-in-part of U.S. Ser. No. 628,147.
CODEN: USXXAM

DT Patent
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5736739	A	19980407	US 1996-726843	19961008

US 5723861 A 880303 US 1996-628147 19960404
WO 9738302 A1 71016 WO 1997-US5641 19970404

W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE,
ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS,
LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD,
SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG,
KZ, MD, RU, TJ, TM

RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB,
GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,
ML, MR, NE, SN, TD, TG

AU 9724407 A1 19971029 AU 1997-24407 19970404
EP 891543 A1 19990120 EP 1997-920141 19970404

R: BE, DE, FR, GB, IT, NL

FI 9802140 A 19981002 FI 1998-2140 19981002

PRAI US 1996-628147 19960404

US 1996-627584 19960404

US 1996-726843 19961008

WO 1997-US5641 19970404

L1 ANSWER 9 OF 38 CAPLUS COPYRIGHT 1999 ACS

AN 1998:109983 CAPLUS

DN 128:196359

TI Detection of organic molecules dissolved in water using a .gamma.-Al2O3
chemiluminescence-based **sensor**

AU Nakagawa, Masuo; Yamamoto, Isao; Yamashita, Nobuhiko

CS Faculty of Science, Okayama University of Science, Okayama, 700, Japan

SO Anal. Sci. (1998), 14(1), 209-214

CODEN: ANSCEN; ISSN: 0910-6340

PB Japan Society for Analytical Chemistry

DT Journal

LA English

L1 ANSWER 10 OF 38 CAPLUS COPYRIGHT 1999 ACS

AN 1997:720489 CAPLUS

DN 128:32077

TI Post-Stress Thickening of Dextran/Concanavalin A Solutions Used as
Sensitive Fluids in a Viscosimetric Affinity Assay for Glucose

AU Beyer, Uwe; Ehwald, Rudolf; Fleischer, Lutz-Guenther

CS Mathematisch-Naturwissenschaftliche Fakultät I Institut fuer Biologie,
Humboldt-Universitaet zu Berlin, Berlin, 10115, Germany

SO Biotechnol. Prog. (1997), 13(6), 722-726

CODEN: BIPRET; ISSN: 8756-7938

PB American Chemical Society

DT Journal

LA English

L1 ANSWER 11 OF 38 CAPLUS COPYRIGHT 1999 ACS

AN 1997:696921 CAPLUS

DN 127:343574

TI Microfabricated diffusion-based chemical **sensor**

IN Weigl, Bernhard H.; Yager, Paul; Brody, James P.; Holl, Mark R.; Kenny,
Margaret; Schutte, David; Hixson, Gregory; Zebert, M. Diane; Kamholz,
Andrew; Wu, Caicai; Altendorf, Eric

PA University of Washington, USA; Weigl, Bernhard H.; Yager, Paul; Brody,
James P.; Holl, Mark R.; Kenny, Margaret; Schutte, David; Hixson, Gregory;
Zebert, M. Diane; Kamholz, Andrew

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI	WO 9739338	A1	19971023	WO 1997-US5245	19970331
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5716852	A	19980210	US 1996-625808	19960329
	AU 9738777	A1	19971107	AU 1997-38777	19970331
	EP 890094	A1	19990113	EP 1997-936008	19970331

R: DE, FR, GB
PRAI US 1996-625808 199603
WO 1997-US5245 19970331

L1 ANSWER 12 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1997:233059 CAPLUS
DN 126:265802
TI A systems theory approach to the feedback stabilization of infinitesimal and finite-amplitude disturbances in plane Poiseuille flow
AU Joshi, Sanjay S.; Speyer, Jason L.; Kim, John
CS School of Engineering and Applied Science, University of California, Los Angeles, Los Angeles, CA, 90024, USA
SO J. Fluid Mech. (1997), 332, 157-184
CODEN: JFLSA7; ISSN: 0022-1120
PB Cambridge University Press
DT Journal
LA English

L1 ANSWER 13 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1996:551471 CAPLUS
DN 125:203217
TI Field testing a personal sampling pump with **laminar-flow sensor** as secondary calibration standard
AU Weber, Allison F.; McNeill, Tamara L.; Soule, Robert D.; Spear, Kathryn L.; Bossart, Clayton J.; Blank, Thomas L.
CS Indiana Univ of Pennsylvania, Indiana, PA, 15704, USA
SO Appl. Occup. Environ. Hyg. (1996), 11(7), 646-651
CODEN: AOEHE9; ISSN: 1047-322X
DT Journal
LA English

L1 ANSWER 14 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1996:11239 CAPLUS
TI Pyroelectric anemometry: theory of operation
AU Hsieh, H. Y.; Bau, Haim H.; Zemel, Jay N.
CS Department of Electrical Engineering and Center for Sensor Technologies, University of Pennsylvania, Philadelphia, Pa., PA, 19104-6314, USA
SO Sens. Actuators, A (1995), A49(3), 125-32
CODEN: SAAPEB; ISSN: 0924-4247
DT Journal
LA English

L1 ANSWER 15 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1995:441250 CAPLUS
DN 122:192200
TI Gas **sensor** with a .lambda.-**sensor** element situated in a casing to protect against gas-borne particles
IN Gerblinger, Josef; Lampe, Uwe; Meixner, Hans
PA Siemens A.-G., Germany
SO Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 635717	A2	19950125	EP 1994-110903	19940713
	EP 635717	A3	19950426		
	R: DE, ES, FR, GB, SE				
	DE 4324659	C1	19950406	DE 1993-4324659	19930722
	JP 07151723	A2	19950616	JP 1994-190161	19940721
	US 5505073	A	19960409	US 1994-279038	19940722
PRAI	DE 1993-4324659		19930722		

L1 ANSWER 16 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1994:138238 CAPLUS
DN 120:138238
TI Thermal mass flow measurement applications in the power industry
AU Grant, Keith

CS Sierra Instrum. Inc., Monterey, CA, 93940, USA
SO Adv. Instrum. Control (3), 48(Pt. 3), 1875-84
CODEN: AINCEV; ISSN: 1054-0032
DT Journal
LA English

L1 ANSWER 17 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1992:68687 CAPLUS
DN 116:68687
TI Measuring change of state for fluids
IN Aoki, Kazuichi; Saiki, Yukihiro; Tanno, Katushtoshi; Shiinoki, Yasuhiko;
Hori, Tomoshige; Itoh, Kensuke; Nakamura, Tetsuo; Miyawaki, Osato
PA Snow Brand Milk Products Co., Ltd., Japan
SO U.S., 25 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5056928	A	19911015	US 1990-577760	19900905
	JP 03210164	A2	19910913	JP 1990-5347	19900115
	DE 4042591	C2	19970619	DE 1990-4042591	19900911
	DE 4028807	C2	19970710	DE 1990-4028807	19900911
PRAI	JP 1989-U106768		19890912		
	JP 1989-U113618		19890928		
	JP 1990-U5347		19900124		
	JP 1989-106768		19890912		
	JP 1989-113618		19890928		
	JP 1990-5347		19900124		
	DE 1990-4028807		19900911		

L1 ANSWER 18 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1991:188232 CAPLUS
DN 114:188232
TI Frequency response of electrochemical sensors in a cone-and-plate
modulated flow
AU Deslouis, C.; Gil, O.; Tribollet, B.
CS Phys. Liq. Electrochim. Lab., Univ. Pierre et Marie Curie, Paris, 75252,
Fr.
SO Int. J. Heat Mass Transfer (1990), 33(11), 2525-32
CODEN: IJHMAK; ISSN: 0017-9310
DT Journal
LA English

L1 ANSWER 19 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1990:131294 CAPLUS
DN 112:131294
TI High-speed analytical **sensor** for in-line monitoring of dissolved
analytes flowing in a tube employing a combination of limited diffusion,
laminar flow and plug solvent injections
* AU Trumbore, Conrad N.; Jackson, Leia M.; Bennett, Steven; Thompson, Andrew
CS Dep. Chem. Biochem., Univ. Delaware, Newark, DE, 19716, USA
SO J. Chromatogr. (1989), 481, 111-20
CODEN: JOCRAM; ISSN: 0021-9673
DT Journal
LA English

L1 ANSWER 20 OF 38 CAPLUS COPYRIGHT 1999 ACS
AN 1989:97684 CAPLUS
DN 110:97684
TI A multiple layer dielectric for use in a hot-film laminar separation
sensor
IN Hopson, Purnell, Jr.; Tran, Sang Q.
PA United States National Aeronautics and Space Administration, USA
SO U. S. Pat. Appl., 16 pp.
CODEN: XAXXAV
DT Patent
LA English

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 176547	A0	19881101	US 1988-176547	19880401
	US 4917940	A	19900417		
	US 5158801	A	19921027	US 1991-688361	19910415
PRAI	US 1988-176547		19880401		
	US 1989-458214		19891228		

L1 ANSWER 21 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1988:617132 CAPLUS
 DN 109:217132
 TI Dynamic response of the conical-tip thin-film thermometer
 AU Hill, Kenneth D.
 CS Div. Phys., Natl. Res. Counc. Canada, Ottawa, ON, K1A 0R6, Can.
 SO Rev. Sci. Instrum. (1988), 59(9), 2036-40
 CODEN: RSINAK; ISSN: 0034-6748
 DT Journal
 LA English

L1 ANSWER 22 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1987:610045 CAPLUS
 DN 107:210045
 TI A high-performance thermal module for computer packaging
 AU Nayak, Deepak; Hwang, Lih Tyng; Turlik, Iwona; Reisman, Arnold
 CS Microelectron. Cent. North Carolina, Research Triangle Park, NC, 27709, USA
 SO J. Electron. Mater. (1987), 16(5), 357-64
 CODEN: JECMA5; ISSN: 0361-5235
 DT Journal
 LA English

L1 ANSWER 23 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1987:187394 CAPLUS
 DN 106:187394
 TI A highly sensitive silicon chip microtransducer for air flow and differential pressure sensing applications
 AU Johnson, R. G.; Higashi, R. E.
 CS Honeywell Phys. Sci. Cent., Bloomington, MN, 55420, USA
 SO Sens. Actuators (1987), 11(1), 63-72
 CODEN: SEACDX; ISSN: 0250-6874
 DT Journal
 LA English

L1 ANSWER 24 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1987:104301 CAPLUS
 DN 106:104301
 TI Calibration of surface hot-film sensors in dilute polymer flows
 AU Goforth, Montgomery B.; McLaughlin, Dennis K.; Gran, Robert L.
 CS Dyn. Technol., Inc., Torrance, CA, USA
 SO Report (1986), DT-8451-02; Order No. AD-A168801/9/GAR, 51 pp. Avail.: NTIS
 From: Gov. Rep. Announce. Index (U. S.) 1986, 86(20), Abstr. No. 645,795
 DT Report
 LA English

L1 ANSWER 25 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1986:582891 CAPLUS
 DN 105:182891
 TI Amperometric response of microlithographically fabricated microelectrode array flow sensors in a thin-layer channel
 AU Fosdick, Lawrence E.; Anderson, James L.; Baginski, Thomas A.; Jaeger, Richard C.
 CS Dep. Chem., Univ. Georgia, Athens, GA, 30602, USA
 SO Anal. Chem. (1986), 58(13), 2750-6
 CODEN: ANCHAM; ISSN: 0003-2700
 DT Journal
 LA English

L1 ANSWER 26 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1986:445610 CAPLUS
 DN 105:45610
 TI New system for continuous clean room particle monitoring
 AU Sem, Gilmore J.; Remiarz, Richard J.; Quant, Frederick R.; Weyrauch, Kelly J.; Hairston, Peter P.; Agarwal, Jugal K.; Nelson, Peter A.
 CS TSI Inc., USA
 SO Proc. - Inst. Environ. Sci. (1985), 31st, 18-21
 CODEN: IESPAF; ISSN: 0073-9227
 DT Journal
 LA English

L1 ANSWER 27 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1984:493470 CAPLUS
 DN 101:93470
 TI The radical flow of a thin liquid film. 2. Film thickness
 AU Azuma, Tsuneo; Hoshino, Tatsuro
 CS Coll. Eng., Osaka City Univ., Osaka, Japan
 SO Nippon Kikai Gakkai Ronbunshu, B-hen (1984), 50(452), 982-9
 CODEN: NKGBDD
 DT Journal
 LA Japanese

L1 ANSWER 28 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1983:410541 CAPLUS
 DN 99:10541
 TI Instrument for the determination of dissolved oxygen in seawater
 AU Zhang, Rongkun; Luo, Yinghua; Weng, Xinqiao; Deng, Gumin
 CS Xiamen Univ., Xiamen, Peop. Rep. China
 SO MICONEX '83, Proc. Multi-Natl. Instrum. Conf. (1983), Volume 1, 73-82
 Publisher: ISA, Research Triangle Park, N. C.
 CODEN: 49VOAQ
 DT Conference
 LA English

L1 ANSWER 29 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1980:131365 CAPLUS
 DN 92:131365
 TI Measuring method according to the Lagrangian description of liquid velocity using an image **sensor**. Application to a stirred vessel
 AU Kamiwano, Mitsuo; Motoyoshi, Takamasa; Shirasaka, Fumio; Wakabayashi, Toshikatsu
 CS Dep. Chem. Eng., Yokohama Natl. Univ., Yokohama, 232, Japan
 SO Kagaku Kogaku Ronbunshu (1980), 6(1), 105-9
 CODEN: KKRBAW; ISSN: 0386-216X
 DT Journal
 LA Japanese

L1 ANSWER 30 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1979:106246 CAPLUS
 DN 90:106246
 TI Electrochemical **sensor** for measuring the oxygen concentration in a stream
 IN Ul'yanov, N. A.; Kolupaev, Yu. K.; Mazuryak, V. D.
 PA All-Union Scientific-Research Institute of Medical Equipment Engineering, USSR
 SO U.S.S.R.
 From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1978, 55(45), 153.
 CODEN: URXXAF

DT Patent
 LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	SU 636523	T	19781205	SU 1976-2380810	19760707

L1 ANSWER 31 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1976:6909 CAPLUS

DN 84:6909
 TI Quality of reproduction of complex **laminar-flow** heat
 detectors of turbulent flow temperature dispersion
 AU Goncharuk, V. P.
 CS USSR
 SO Zh. Prikl. Khim. (Leningrad) (1975), 48(7), 1650
 CODEN: ZPKHAB
 DT Journal
 LA Russian

L1 ANSWER 32 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1975:572065 CAPLUS
 DN 83:172065
 TI Flow injection analyses. I. New concept of fast continuous flow analysis
 AU Ruzicka, J.; Hansen, E. H.
 CS Chem. Dep. A, Tech. Univ. Denmark, Lyngby, Den.
 SO Anal. Chim. Acta (1975), 78(1), 145-57
 CODEN: ACACAM
 DT Journal
 LA English

L1 ANSWER 33 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1975:38143 CAPLUS
 DN 82:38143
 TI Detector with **laminar-flow** sensors
 AU Buvailo, V. V.; Berezkin, V. G.; Anokhin, V. V.; Stal'nov, P. I.
 CS Novomoskovsk. Fil., Mosk. Khim.-Tekhnol. Inst. im. Mendeleeva,
 Novomoskovsk, USSR
 SO Zavod. Lab. (1974), 40(10), 1188-91
 CODEN: ZVDLAU
 DT Journal
 LA Russian

L1 ANSWER 34 OF 38 CAPLUS COPYRIGHT 1999 ACS
 AN 1973:455419 CAPLUS
 DN 79:55419
 TI Pressure drop in a rotating tube
 AU Krivosheev, V. S.; Averin, V. Z.; Yakhno, O. M.
 CS USSR
 SO Khim. Mashinostr. (Kiev) (1972), No. 16, 88-61
 CODEN: KMMRAZ
 DT Journal
 LA Russian

L1 ANSWER 35 OF 38 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1998:386283 BIOSIS
 DN PREV199800386283
 TI Extending the range of rate constants available from BIACORE: Interpreting
 mass transport-influenced binding data.
 AU Myszaka, David G.; He, Xiaoyi; Dembo, Micah; Morton, Thomas A.; Goldstein,
 Byron (1)
 CS (1) Theoretical Biol. Biophys. Group, Theoretical Div., T-10, MS K610, Los
 Alamos Natl. Lab., Los Alamos, NM 87545 USA
 SO Biophysical Journal, (Aug., 1998) Vol. 75, No. 2, pp. 583-594.
 ISSN: 0006-3495.
 DT Article
 LA English

L1 ANSWER 36 OF 38 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1998:42334 BIOSIS
 DN PREV199800042334
 TI Post-stress thickening of dextran/concanavalin A solutions used as
 sensitive fluids in a viscosimetric affinity assay for glucose.
 AU Beyer, Uwe (1); Ehwald, Rudolf; Fleischer, Lutz-Guenther
 CS (1) Mathematisch-Naturwissenschaftliche Fakultät I, Inst. Biologie,
 Humboldt-Univ. Berlin, Invalidenstrasse 42, 10115 Berlin Germany
 SO Biotechnology Progress, (Nov.-Dec., 1997) Vol. 13, No. 6, pp. 722-726.
 ISSN: 8756-7938.
 DT Article

LA English

L1 ANSWER 37 OF 38 BIOSIS COPYRIGHT 1999 BIOSIS
AN 1991:454222 BIOSIS
DN BA92:99002
TI PHOTO-**SENSOR** METHODOLOGY FOR DETERMINING RESIDENCE TIME
DISTRIBUTIONS OF PARTICLES IN CONTINUOUS FLOW THERMAL PROCESSING SYSTEMS.
AU YANG B B; SWARTZEL K R
CS DEP. FOOD SCI., NORTH CAROLINA STATE UNIV., RALEIGH, NC 27695-7624.
SO J FOOD SCI, (1991) 56 (4), 1076-1081,1086.
CODEN: JFDSAZ. ISSN: 0022-1147.
FS BA; OLD
LA English

L1 ANSWER 38 OF 38 BIOSIS COPYRIGHT 1999 BIOSIS
AN 1990:66374 BIOSIS
DN BA89:34200
TI HIGH-SPEED ANALYTICAL **SENSOR** FOR IN-LINE MONITORING OF DISSOLVED
ANALYTES FLOWING IN A TUBE EMPLOYING A COMBINATION OF LIMITED DIFFUSION
LAMINAR FLOW AND PLUG SOLVENT INJECTIONS.
AU TRUMBORE C N; JACKSON L M; BENNETT S; THOMPSON A
CS DEP. CHEM. BIOCHEM., UNIV. DEL., NEWARK, DE 19716, USA.
SO J CHROMATOGR, (1989) 481 (0), 111-120.
CODEN: JOCRAM. ISSN: 0021-9673.
FS BA; OLD
LA English

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

39.23

39.83

SESSION WILL BE HELD FOR 60 MINUTES